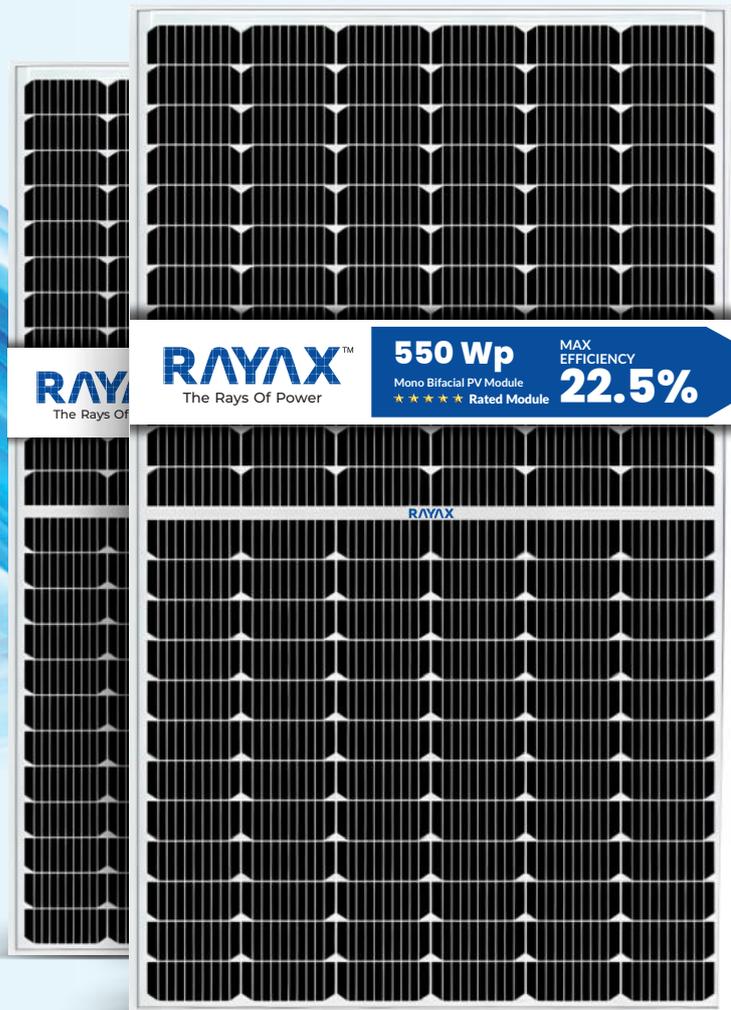


RAYAX™

The Rays Of Power

Mono Perc Bifacial Panel

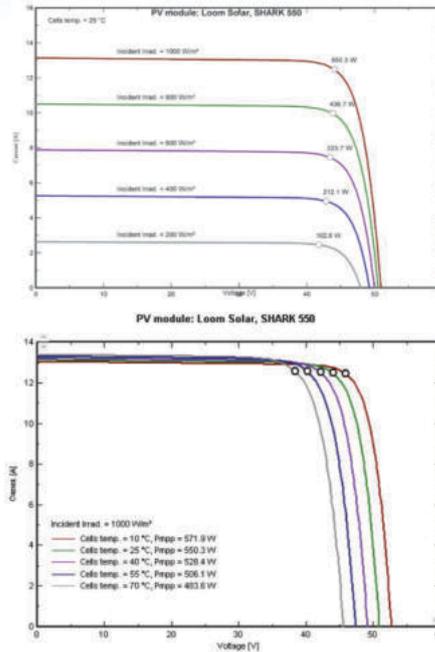
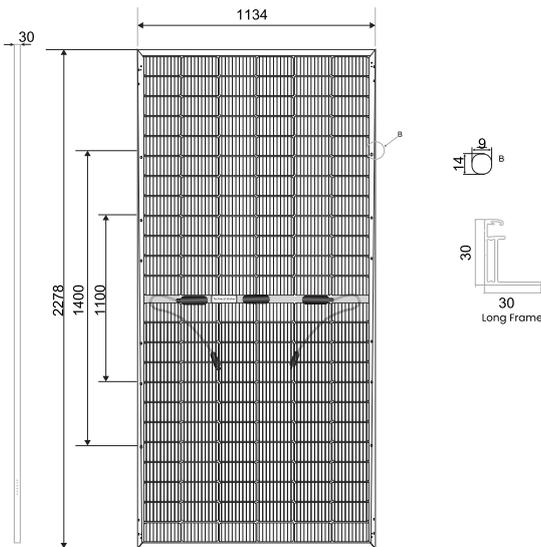


Toll Free Number: 1800-5475-600

✉ Info@rayaxenergy.com

🌐 www.rayaxenergy.com

ENGINEERING DRAWING (mm)



ELECTRICAL DATA | STC*

Model Specification	RAYAX550	RAYAX555	RAYAX560
Peak Power, Pmax (Wp)	550	555	560
Maximum Power Voltage, Vmp (V)	44.06	44.13	44.20
Maximum Power Current, Imp (A)	12.49	12.59	12.68
Open Circuit Voltage, Voc (V)	50.91	51.01	51.11
Short Circuit Current, Isc (A)	13.13	13.23	13.33
Module Efficiency (%)	21.32	21.51	21.71
Power Output Tolerance-Pmax(W)	±2%	±2%	±2%
Fill Factor	82.28	82.24	82.20

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MAXIMUM RATINGS

Operating Temperature	25°C±4°C
Max. System Voltage	1500 V
Max. Series Fuse Rating	30 A
Fire Rating	Class-C
By Pass Diode Rating	30 amp

ELECTRICAL DATA | NOCT

Peak Power, Pmax (Wp)	413.99	417.75	421.51
Maximum Power Voltage, Vmp (V)	41.95	42.01	42.08
Maximum Power Current, Imp (A)	9.87	9.94	10.02
Open Circuit Voltage, Voc (V)	48.36	48.46	48.55
Short Circuit Current, Isc (A)	10.07	10.78	10.86
Module Efficiency (%)	20.06	20.24	20.42
Fill Factor	80.01	79.98	79.95

* Under Nominal operating cell temperature (NOCT) of irradiance of 800 W/m², spectrum AM 1.5 and cell temperature of 20°C.

PARTNER SECTION



Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

*Installation instruction must be followed. See the installation manual or contact our technical service department for further information on approved installation.

*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Rayax Energy Private Limited Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described here in.

MECHANICAL DATA Specification

Cell Arrangement	144 Cells / [12x6 12x6]
Dimensions	2278 x 1134 x 30 mm ±2mm
Area of Module (LxB)	2.58 Sqm
Weight	30 kg
Glass	2 mm + 2 mm
Frame	Anodized aluminium alloy
Junction-Box	IP68
Cable	300 mm 4.0 mm ²
Connector	MC4

* For detailed information, please contact your local Loom Solar sales and technical representatives.

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.29% / °C
Temperature Coefficient (Voc)	-0.24% / °C
Temperature Coefficient (Isc)	0.042% / °C

RAYAX™

The Rays Of Power

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